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(54) Title: FILTRATION SYSTEM FOR PREPARATION OF FLUIDS FOR MEDICAL APPLICATIONS

(57) Abstract: Systems, methods, and devices for preparation of water for various uses including blood treatment are described. In embodiments, fluid is passed either by pump or passively by gravity feed, through various filtration elements from a fluid source to a treatment fluid container. The latter forms a batch that may be used during treatment. The advantage of forming the batch before treatment is that the rate of filtering needn't match the rate of consumption during treatment which provides multiple benefits and liabilities to overcome, as discussed herein. Mechanisms for preparing pure water for infusion or medicaments are described such as elimination of chlorine and colloidal aluminum. Also various control mechanisms to help avoid contamination are describe.

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